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In the Claims

- 1. (Original) A substrate heater assembly for supporting a substrate of a predetermined standardized diameter during processing, comprising:
 - a body having an upper surface and a lower surface;
 - a heating element embedded within the body;
- a substrate support surface formed in the upper surface of the body and defining a portion of a substrate receiving pocket; and

an annular wall oriented perpendicular to the upper surface and having a length of at least one half a thickness of the substrate, the wall bounding an outer perimeter of the substrate receiving pocket and having a diameter less than about 0.5 mm greater than the predetermined substrate diameter.

- 2. (Previously Presented) The assembly of claim 1 further comprising:
- a ring disposed in the substrate receiving pocket, wherein the wall is at least a portion of an inner diameter of the ring.
- 3. (Original) The assembly of claim 2, wherein the ring further comprises: a bevel flaring outward from the wall of the ring.
- 4. (Original) The assembly of claim 3, wherein the bevel is a continuous lip extending beyond the upper surface and circumscribing the wall.
- 5. (Withdrawn) The assembly of claim 3, wherein the bevel further comprises:
- a plurality of discreet crowns extending beyond the upper surface and circumscribing the wall.

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- 6. (Original) The assembly of claim 3, wherein the ring further comprises: an annular flange radially outward of the wall.
- 7. (Withdrawn) The assembly of claim 6, wherein the flange further comprises:

a plurality of slots formed therein.

- 8. (Original) The assembly of claim 2, wherein the annular ring is formed from a ceramic material.
- 9. (Original) The assembly of claim 2, wherein the annular ring further comprises:

a height of about 0.7 to 7 mm; and

a ratio of the height to a width of the annular ring between about 0.05:1 and 0.5:1.

- 10. (Original) The assembly of claim 3, wherein the bevel tapers outward and upward at an angle of about 10 to 40 degrees.
- 11. (Original) The assembly of claim 4, wherein the lip further comprises: a height of about 0.5 to 5 mm; a ratio of the height to a width of the lip between about 0.3:1 and 3:1; and an inner portion tapered outward and upward at an angle of about 10 to 40 degrees.
- 12. (Withdrawn) The assembly of claim 5, wherein at least one of the plurality of discreet crowns further comprises:

a height of about 0.5 to 5mm;

a ratio of the height to a width of the crown between about 0.3:1 and 3:1; and

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an inner portion tapered outward and upward at an angle of about 10 to 40 degrees.

- 13. (Original) The assembly of claim 1 wherein the heater member is formed from a ceramic material.
- 14. (Previously Presented) The assembly of claim 1, wherein the wall couples the upper surface to the substrate support surface of the body.
- 15. (Original) The assembly of claim 14, wherein the body further comprises: a bevel flaring outward from the wall of the body.
- 16. (Original) The assembly of claim 15, wherein the bevel is a continuous lip extending beyond the upper surface and circumscribing the wall.
- 17. (Withdrawn) The assembly of claim 15, wherein the bevel further comprises:
- a plurality of discreet crowns extending beyond the upper surface and circumscribing the wall.
- 18. (Original) The assembly of claim 15, wherein the bevel tapers outward and upward at an angle of about 10 to 40 degrees.
- 19. (Original) The assembly of claim 16, wherein the lip further comprises:
 a height of about 0.5 to 5 mm;
 a ratio of the height to a width of the lip between about 0.3:1 and 3:1; and
 an inner portion tapered outward and upward at an angle of about 10 to 40

degrees.

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- 20. (Withdrawn) The assembly of claim 17, wherein at least one of the plurality of discreet crowns further comprises:
 - a height of about 0.5 to 5mm;
- a ratio of the height to a width of the crown between about 0.3:1 and 3:1; and
- an inner portion tapered outward and upward at an angle of about 10 to 40 degrees.
- 21. (Original) An apparatus for processing a substrate of a predetermined standardized diameter, comprising:
- a chemical vapor deposition chamber having a ceramic substrate heater assembly disposed therein, wherein the heater assembly comprises:
 - a body having an upper surface and a lower surface;
 - a heating element embedded within the body;
- a substrate support surface formed in the upper surface of the body and defining a portion of a substrate receiving pocket; and
- an annular wall oriented perpendicular to the upper surface and having a length of at least one half a thickness of the substrate, the wall bounding an outer perimeter of the substrate receiving pocket and having a diameter less than about 0.5 mm greater than the predetermined substrate diameter.
- 22. (Previously Presented) An apparatus for processing a substrate of a predetermined standardized diameter, comprising:
- a chemical vapor deposition chamber having a ceramic substrate heater assembly disposed therein, wherein the heater assembly comprises:
 - a body having an upper surface and a lower surface;
 - a heating element embedded within the body;
- a substrate support surface formed in the upper surface of the body and defining a portion of a substrate receiving pocket;
- an annular wall coupled between the substrate support surface and the upper surface, the wall having a length of at least one half a thickness of the

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substrate and a diameter less than about 0.5 mm greater than the predetermined substrate diameter; and

- a continuous lip protruding from the upper surface and circumscribing the wall, the continuous lip having an inner portion joined with the bevel.
- 23. (Previously Presented) The assembly of claim 22, wherein the continuous lip further comprises:
 - a height of about 0.5 to 5mm;
- a ratio of the height to a width of the lip between about 0.3:1 and 3:1; and the inner portion tapered outward and upward at an angle of about 10 to 40 degrees.